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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT

L. IDENTIFICATION

O1 STATE O2 SITE NUMBER

(UT 005365019

PART 1 -	SITE INFORMA	TION A	ND ASSESSMEN		0033650117
II. SITE NAME AND LOCATION	*************************************				
01 SITE NAME (Legal, common, or descriptive name of site)		02 STREE	T, ROUTE NO , OR SP	ECIFIC LOCATION IDENTIFIER	
Red Arrow Products	Co. Inc	123	26 S. W	later St.	
Manitowoc			05 ZIP CODE 08	COUNTY Manitowac	O71 06
OB COORDINATES LATITUDE LONGI	TUDE のなら O			7.5 avad	
10 DIRECTIONS TO SITE (Starting from nearest) grafter media—	<u> </u>	<u> </u>		, , 	
to Marshall St to S 13th Water St. The plant is	S 15/E the - St. 60 located	nef.	43 at Mai + (N) on !	nitowoc. Take S.13+L 3, bloo	Calumet Av.
III. RESPONSIBLE PARTIES	_				
01 OWNER (# known) Sawe		02 STREE	T (Business, mailing resid	ential)	
03 CITY		04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	·
				()	
07 OPERATOR (If known and different from owner)	"'' 	08 STREE	T (Business, mailing, resid	lentual)	
Same					
09 CITY		10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	
		ł		()	1
13 TYPE OF OWNERSHIP (Check one)		1	_ D C STATE	DD.COUNTY DE MI	JNICIPAL
· , ———————————————————————————————————	(Agency name)) (1011 AL
F. OTHER(Specify)	·		_ G. UNKNO	WN	
14 OWNER/OPERATOR NOTIFICATION ON FILE (Creck all that apply) AT A RCRA 3001 DATE RECEIVED 03 /18/80 EMONTH DAY YEAR	B UNCONTROL	LED WAST	E SITE (CERCLA 103 c)	DATE RECEIVED / MONTH (AY YEAR
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
	all that apply)				
AS A EP MONTH DAY YEAR □ E LO	PA □ BEPA CAL HEALTH OFF	A CONTRA	ACTOR LC	STATE D OTHER	CONTRACTOR
L) NO		NUME I		(Specify)	
	ACTOR NAME(S)				
02 SITE STATUS (Check one)	03 YEARS OF OPER	TATION	i	D LINKNOW	/N.I
		BEGINNING Y	EAR ENDING YE	AR LUNKNOW	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT. KNOWN, C The Malara Ous	R ALLEGED	. of	Canley	a is the still	bottoms
The naturators	SUBSTAIN		م کور ال	(Mach)	
from the recovery c	of Methy	rienc	Chioriae	(Meciz).	
os description of potential hazard to environment andio on the facility because summoned at some time	the Epace in the	prel Em past	liminary o rengency (No other	assessment is Remedial Action or Information	being done n team was is avail-
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one # Augh or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)					
□ A HIGH (Inspection required promptly) □ B MEDIUM (Inspection required)	C LOW (Inspect on the	e evelable bes	D NONE	r action needed, complete current dispo	asition form)
VI. INFORMATION AVAILABLE FROM					
01 CONTACT	02 OF (Agency/Organi		0 /		03 TELEPHONE NUMBER
Annette Weissbuch	WONR	- <u>Sol</u>	id Waste	C. MICH Hacks	(4/4) 497-3151
Tom Sturm	WONR	50	lid Waste	1414 1497 - 4054	9 129 88 MONTH DAY YEAR

Q .	$D\Lambda$

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

I. IDENTIFICATION
OI STATE OZ SITE NUMBER

ALI			PART 2 - WAST	E INFORMATION		[MI 11)05	3686119	
	TATES, QUANTITIES, AP	ND CHARACTER	ISTICS					
O1 PHYSICAL STATES (Check as tinet apply) O2 WASTE (I) A SOLID L) E SLURRY L) B POWDER, FINES L) F LIQUID SC SLUDGE L) G GAS		musi be TONS	ITY AT SITE of waste quantifies andependent)	D3 WASTE CHARACTI	ICTIVE 🕊 G FLAM	BLE L HIGHLY CTIOUS SUJEXPLOS IMABLE L K REACT ABLE L INCOM	LE LI HIGHLY VOLATILE KOUS AS-J EXPLOSIVE ABLE J K REACTIVE	
L D OTHER	(Specify)	NO OF DRUMS		1		(3 m (10) A	, r Bonbee	
III. WASTE T	YPE			•				
CATEGORY	SUBSTANCE	NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS			
SLU	SLUDGE					··· · · · · · · · · · · · · · · · · ·		
OLW	OILY WASTE							
SOL	SOLVENTS							
PSD	PESTICIDES							
occ	OTHER ORGANIC C	HEMICALS						
ЮС	INORGANIC CHEMIC	CALS						
ACD	ACIDS							
BAS	BASES							
MES	HEAVY METALS							
IV. HAZARD	OUS SUBSTANCES (See A	Appendix for most frequer	ntly cried CAS Numbers)					
01 CATEGORY	02 SUBSTANCE	NAME	03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION	
SLU	Methylene	Chloride	74-87-3	The still	bottoms	Still both	oms .	
	, , <u>, , , , , , , , , , , , , , , , , </u>		<u> </u>	from the	recovery	contain (-302	
			<u> </u>	of Mecl	2 is stood	Mr. Clz and	70-100%	
				In druma	until	wood tur	residuals.	
				Shipment				
				assary.				
				1				
			 			† 		
			<u> </u>			1	†	
			 	<u> </u>	·		 	
				† 		1	 	
				<u> </u>			1	
V. FEEDSTO	CKS (See Appendix for CAS Numb	bers)		L	····	1	1	
CATEGORY			02 CAS NUMBER	CATEGORY	O1 FEEDST	OCK NAME	02 CAS NUMBER	
FDS				FDS				
FDS			1	FDS				
FDS			 	FDS	<u> </u>			
FDS		 -		FDS				
	S OF INFORMATION (CA)	specific references as	State Mas Sample analysis	<u> </u>			<u> </u>	
	Hawley's Conord R.J. Lewis Products Inc,				11+h ed. v	evised by h	1.1.5ax	
0	na K.J. Lewis	s; van N	lostranich Ke	einhold Co:	New York -	1587; Red	Hrrow	
F	roducts Inc,	Huzurde	ous whiste	50,00c.	,	•		

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

	TIFICATION
OI STATE	DD 5310 86119

H ALAZARDOUG CONDITIONS AND HIGHERING			
II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 LX A GROUNDWATER CONTAMINATION	02 OBSERVED (DATE)	DISPOTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION OCUM OF lange Enough Epinto ground or 17	walls a fi	
If a spill were To	ocon of lange knough	bolome 1	reach
the outside and se	epinto around or 17 (containment	drains
world find			`*
00 - 1 - 1 (1) (1)			
01 B SURFACE WATER CONTAMINATION	02 OBSERVED (DATE)	_EX-POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION		1
Massive spill could b	e uncontained and rea	ich the prian	TOWOL
River 500 from playet.			
icios. Dos trom bidum			
			1
01 & C CONTAMINATION OF AIR	02 OBSERVED (DATE)	OY DOTENITAL	[] A115050
01 A C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION	PSEPOTENTIAL	☐ ALLEGED
If accidental fir	E CLERCE TO DESCRIPTION		
Te actives indicate	t were 40 octors.		
01 19 D FIRE/EXPLOSIVE CONDITIONS	02 OBSERVED (DATE)	& POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION		
If accidental fire	man to order		
IT ACCIDENTAL FIVE	Were 10 oca		
		 	
01 DE DIRECT CONTACT	02 OBSERVED (DATE)	□ POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION		
01 D F CONTAMINATION OF SOIL	O2 C ORCEDIED (DATE	C. POTENTIAL	D ALLEGED
03 AREA POTENTIALLY AFFECTED	02 DBSERVED (DATE) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	☐ ALLEGED
(Acres)	OF MARINE DESCRIPTION		
01 Ø G DRINKING WATER CONTAMINATION	02 CI OBSERVED (DATE)	₽ POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION	Jac i O'Littime	is receded
		· ('m ' + '	
Such posensas	Tan water intake for	M 1	None All
15 located ~ dmiles	away from plant in L.	muchigala.	11011201741
Collecters are closer bu	away from plant in L. rare used as standby.		
01 [] H WORKER EXPOSURE/INJURY	02 OBSERVED (DATE)	☐ POTENTIAL	□ ALLEGED
03 WORKERS POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION		
D1 1 1 6 6	ipproved contigency p	lan	
plant has an c	print and b	10-71 3	
	•		
01 DI POPULATION EXPOSURE/INJURY	02 OBSERVED (DATE)	□ POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION		
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

O1 STATE O2 SITE NUMBER

LUT D 0.53686 19

				
11. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)				
01 D J DAMAGE TO FLORA	02 D OBSERVED (DATE) DPOTENTIAL	☐ ALLEGED	
04 NARRATIVE DESCRIPTION			,	
2. 2. a.				
01 反 K DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name(s) of species)	02 OBSERVED (DATE) Z POTENHAL	□ ALLEGED	
Marastana valone massa (muter redhansel ocurns 11	n the Manitere	x K. This	
Moxostama unlancionnessi (q Species 15 of special conce	in its and is censo	five to chemi	cal pollotion	
and turbidity	13 100 2	-	`	
and to hid it				
01 X L CONTAMINATION OF FOOD CHAIN	02 OBSERVED (DATE) POTENTIAL	☐ ALLEGED	
04 NARRATIVE DESCRIPTION				
01 M UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums)	02 - OBSERVED (DATE) D POTENTIAL	☐ ALLEGED	
	04 NARRATIVE DESCRIPTION	•	. 0	
Ray and of File	oa narrative description es indicate hazardous un	ists are prope	rly munuged	
The second secon		•	/ !	
01 D N DAMAGE TO OFFSITE PROPERTY	02 G OBSERVED (DATE) DOTENTIAL	☐ ALLEGED	
04 NARRATIVE DESCRIPTION		,		
01 🗆 O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS	02 D OBSERVED (DATE) DOTENTIAL	☐ ALLEGED	
04 NARRATIVE DESCRIPTION				
01 ☐ P ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE) DOTENTIAL	☐ ALLEGED	
1 V4 NARNATIVE DESCRIPTION				
OF DECORIDITION OF ANY OTHER KNOWN POTENTIAL OR ALLE	OFD HAZADDS			
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLE	GED HAZAHUS			
III. TOTAL POPULATION POTENTIALLY AFFECTED:				
PA not truly nepresen information on EPA's respon		L\ L .F .	TT:	
! I'M not Truly nepresen	itative of the situation	~ WITHOUT TUY	ther	
Intormation on EPA's respon	ree.			
'				
W COURCE OF INFORMATION IN				
V. SOURCES OF INFORMATION (Cite apocitic references, e.g. state files				
Red Arrow Products Inc., Hazardous waste quide; Memo 6-26-88				
Red Arrow Products Inc., Hazardors waste quide; Memo 6-26-88 from Endangered Resource Section of WDNR., Red Arrow files, Lake Mich-19an Holyrs, Green Buy.				
Ican Hive Garan Burns	J	• • • • • • • • • • • • • • • • • • • •)	
17 17 14273, 3120 2201				

PA NARRATIVE

Red Arrow Products Inc. SITE NAME:

BUREAU OF SCLID . HAZARDOUS-WISTE MANAGEMENT

CERCLIS #: WID0536866119

WIG DOG 0773888 SITE LOCATION: NE1/4, NE1/4, Sec. 30, County; 1226 S. Water St., Manitowoc, WI. NE1/4, NE1/4, Sec. 30, T19N, R17E; Manitowoc

The facility uses methylene chloride (MeCl₂) SITE DESCRIPTION: as part of its process to manufacture smoke flavoring. The MeClo is then distilled for reuse. The still bottoms constitute the hazardous waste which consists of 0-30% MeCl2 and 70-100% wood tar residue.

Apparently an incident ocurred at the plant that required the emergency remedial action team to respond. The author has been unable to obtain information to further elaborate on the incident. However a Preliminary Assessment is required in these situations.

The plant is located in the City of SITE CHARACTERISTICS: Manitowoc on the Manitowoc River approximately 3000 feet from its mouth into Lake Michigan. The primary water intakes for the city are located about 2.2 miles from the site in the lake with the backup intakes (ranney wells) located about 1.5 miles.

The general geology of the area consists of 100 feet of unconsolidated glacial deposits over the Niagara Dolomite which may be up to 400 feet thick. Underlying the dolomite is the Maquoketa Shale, which may be up to 300 feet thick. Beneath the shale is the Galena Dolomite at about 800 feet.

The Niagara Dolomite is the primary source of water for the private wells of the area as well as the nearby municipalities. The unconsolidated materials as well as the shale yield only small amounts of water. The nearest private well is at least 1 mile from the site.

COMMENTS: The plant operates under an approved contigency plan as required under NR 181.42 (4).

PRIORITY FOR INSPECTION: NFRAP

PREPARED BY: Tom Sturm, Sept 29, 1988.

Sources of Information

- -Red Arrow Hazardous Waste Guide; DNR Lake Michigan Hdqrs.
- -Water Supply files, City of Manitowoc, WDNR LMH.
- -Well log, Village of Mishicot; DNR Water Supply files.
- -Water Supply Data Book, 1985; WDNR
- -USGS Hydrologic Atlas, Lake Michigan Basin, Wisconsin.